

# Slim<sup>X</sup> Series

Quick Start Guide

## 1 Install Software

Download and run the latest software installer on your host computer. Please visit [www.optitrack.com/downloads/](http://www.optitrack.com/downloads/) for a list of compatible software.

## 2 Setup Camera Network

Place your cameras, Ethernet PoE/PoE+/PoE++ switches and host computer around your desired capture area. Using Cat 6 cables, connect the cameras to the switches, and then connect the switches to the host computer. **Diagram 1** shows the components of a system with 11 or fewer cameras and **Diagram 2** shows the components of a system with 12 or more cameras.

### Tips

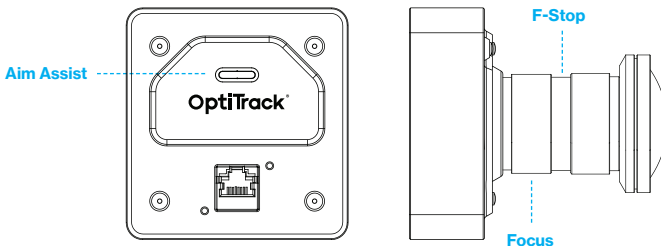
- Segment Ethernet camera network traffic from your office/local area network.
- For best performance, only connect the cameras and the host computer to the camera network.
- If the host computer is already connected to another network, then use a second Ethernet port or add-on network card for connecting the computer to the camera network.

## 3 Focus Cameras

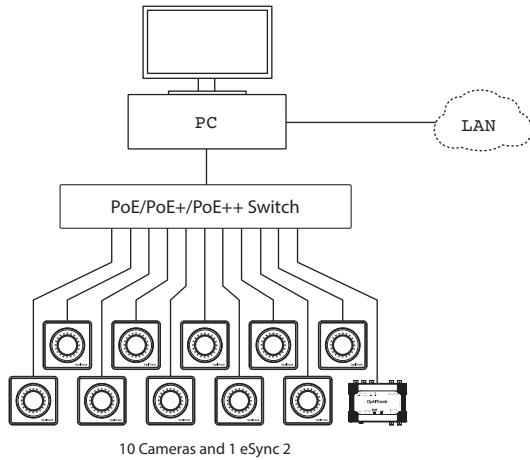
The lens on each camera must be focused to optimize it for a capture volume.

### To focus a camera:

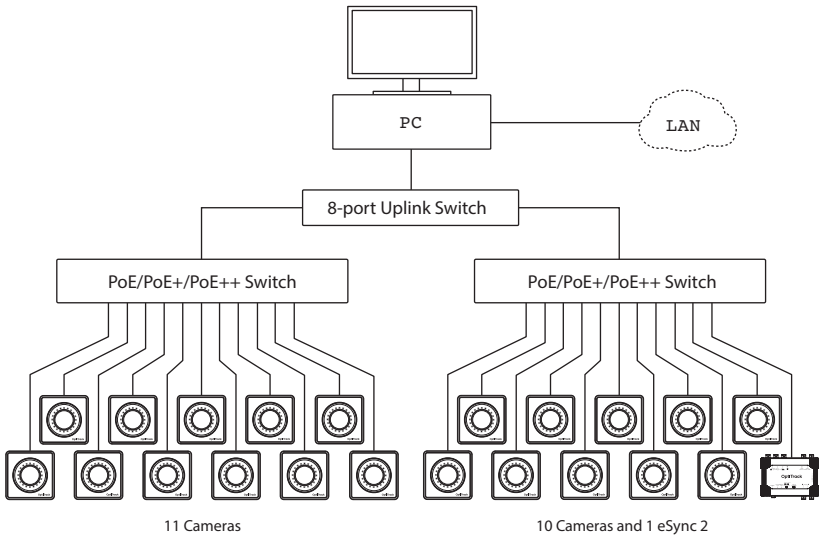
1. Place a marker about two-thirds of the way across the volume from the camera you wish to focus.
2. Adjust the f-number on the camera lens, if necessary. Typical values are between 2 - 8 depending on the application.



**Diagram 1.** Camera network with 11 or fewer cameras/devices.



**Diagram 2.** Camera network with 12 or more cameras/devices.



## LED Indicators

- If the camera displays a non-blinking 'E' on the numeric LED, download a newer version of the software from the OptiTrack website.
- If the camera displays a blinking 'E' with no status ring then an error has occurred during the auto-negotiation with the Ethernet switch. Please contact support since there may be a hardware issue.

## Technical Notes

- OptiTrack does not recommend the use of cables, extenders, hubs and switches that have not been qualified for use with OptiTrack devices. Qualified Ethernet devices are available for purchase at [www.optitrack.com](http://www.optitrack.com).
- Using the recommended PoE/PoE+/PoE++ switch with each camera type will help to get the best tracking results from your system.
- PoE, PoE+, and PoE++ switches must support full power (15.4, 34.2, and 90 Watts respectively) for every Ethernet port. PoE+ and PoE++ switches must be LLDP disabled.
- Slim<sup>x</sup> cameras may require a firmware update the first time a new software version is used. The process is automatic and takes less than 30 seconds. A progress indicator will be displayed on the numeric LED of the camera.
- **IMPORTANT:** Do not unplug a camera during the firmware update process!

## Power Requirements

- PoE (15.4 W): Slim<sup>x</sup> 13 / Slim<sup>x</sup> 22 / Slim<sup>x</sup> 41
- PoE+ (30 W): Slim<sup>x</sup> 120

### Need help?

Call technical support at [1-888-865-5535](tel:1-888-865-5535) or e-mail us at [support@optitrack.com](mailto:support@optitrack.com).